

Figure 1

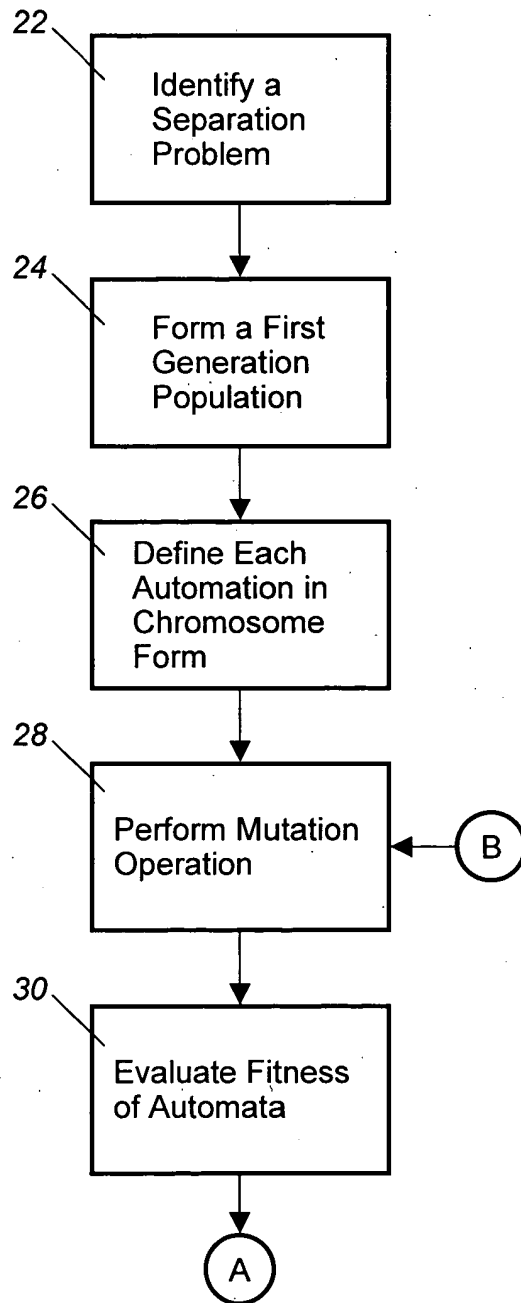


Figure 2A

```

graph TD
    A((A)) --> 32[Rank Automata in Population]
    32 --> 34[Reproduce at Least One Automaton]
    34 --> 36[Apply Crossover Operator]
    36 --> 38{Evaluate Performance}
    38 -- "Does Not Exceed" --> B((B))
    38 -- "Exceeds" --> 40[Yielding a Near-Optimal Fuzzy Automaton]

```

### Figure 2B

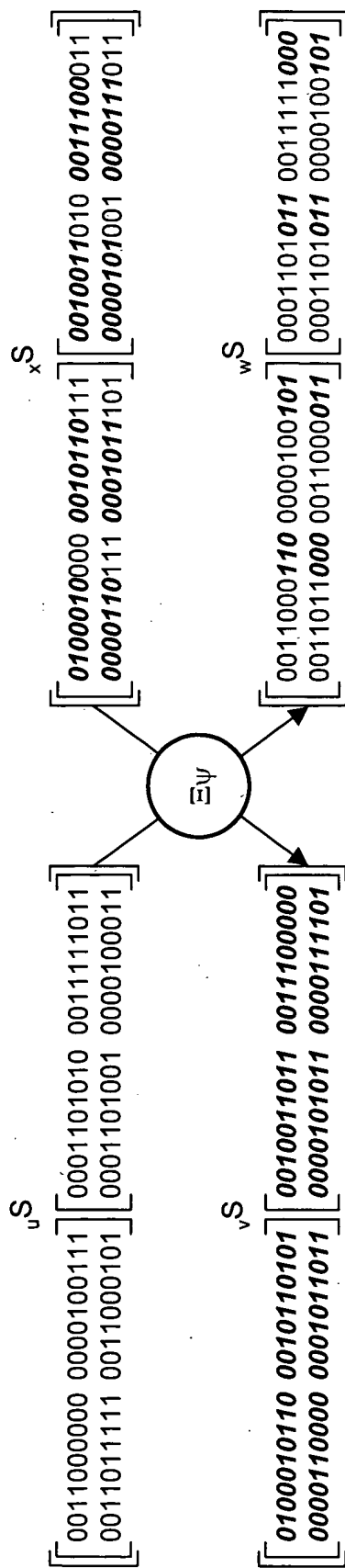


Figure 3

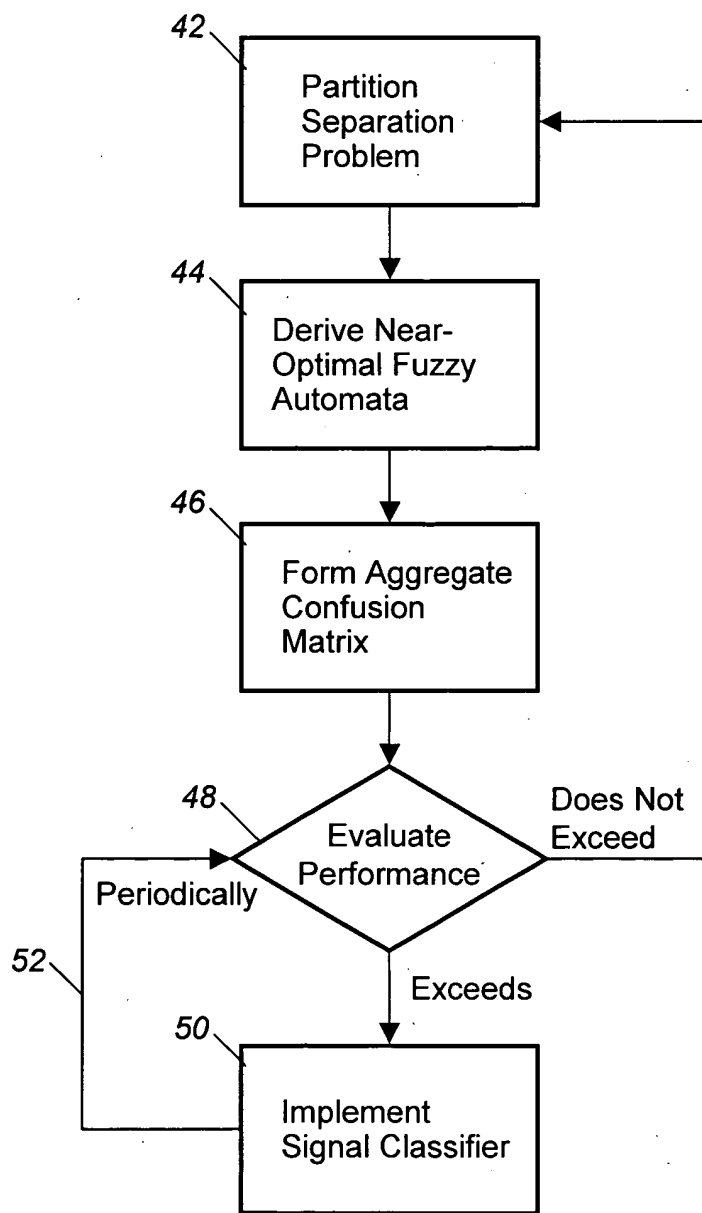


Figure 4